Electronic Version
Stylesheet Version v1.1.1

Claims

[c1] 1. An organic light-emitting display (OLED), comprising:
a plurality of power line sets isolated from each other, wherein each power line set is coupled to a plurality of secondary power lines; and
a plurality of voltage terminals, wherein each voltage terminal is coupled to a center of a power line set, and the voltage terminals are coupled to a power supply, wherein an electric current resulting from a voltage applied to each power line set passes through the secondary power lines into a plurality of corresponding pixels in the organic light-emitting display.

[c2] 2. The OLED of claim 1, wherein the pixels are arranged in a pixel array.

[c3] 3. The OLED of claim 1, wherein each pixel comprises:
a switching transistor having a first drain terminal, a first gate terminal and a first source terminal, wherein the first drain terminal is coupled to a data line and the first gate terminal is coupled to a scan line;
a driving transistor having a second drain terminal, a second gate terminal and a second source terminal, wherein the second gate terminal is coupled to the first

source terminal and the second source terminal is connected to ground;

a storage capacitor having a first terminal and a second terminal, wherein the first terminal is coupled to the first source terminal and the second gate terminal and the second terminal is connected to ground and the second source terminal; and

a light-emitting device having an anode and a cathode, wherein the anode is coupled to one of the secondary power lines and the cathode is coupled the second drain terminal.

[c4] 4. The OLED of claim 3, wherein the switching transistor and the driving transistor comprise thin film transistors.

[c5] 5. The OLED of claim 3, wherein the light-emitting device comprises an organic light-emitting diode.

[c6] 6. The OLED of claim 3, wherein the light-emitting device comprises a polymer light-emitting diode.

[c7] 7. An organic light-emitting display (OLED), comprising:

a plurality of power line sets isolated from one another, wherein each power line set is coupled to a plurality of secondary power lines; and

a plurality of voltage terminals, wherein each voltage terminal is coupled to a power line set, and the voltage

terminals are coupled through a conductive material medium to a power supply;
wherein an electric current resulting from a voltage applied to each power line passes through the secondary power lines into a plurality of corresponding pixels in the organic light-emitting display.

[c8] 8. The OLED of claim 7, wherein the pixels are arranged in a pixel array.

[c9] 9. The OLED of claim 7, wherein each pixel furthermore comprises:
a switching transistor having a first drain terminal, a first gate terminal and a first source terminal, wherein the first drain terminal is coupled to a data line and the first gate terminal is coupled to a scan line;
a driving transistor having a second drain terminal, a second gate terminal and a second source terminal, wherein the second gate terminal is coupled to the first source terminal and the second source terminal is connected to ground;
a storage capacitor having a first terminal and a second terminal, wherein the first terminal is coupled to the first source terminal and the second gate terminal and the second terminal is connected to ground and the second source terminal; and
a light-emitting device having an anode and a cathode,

wherein the anode is coupled to one of the secondary power lines and the cathode is coupled the second drain terminal.

[c10] 10. The OLED of claim 9, wherein the switching transistor and the driving transistor comprise thin film transistors.

[c11] 11. The OLED of claim 9, wherein the light-emitting device comprises an organic light-emitting diode.

[c12] 12. The OLED of claim 9, wherein the light-emitting device comprises a polymer light-emitting diode.